Metro Madness Domain Model V1

Line
name
colour

Station
name
max passengers

Platform
maximum passengers

Train
maxPassengers
direction
speed

Track
maxPassengers
direction
speed

Passenger
name

Cargo
weight

Line 1 — 2..* Station

Station 1 — 1..2 Platform

Line 1 — travels on — 1 Train

Station 1 — enters / leaves — 1..* Train

Platform 1 — serves — Station

Train 1 — drives on — 1 Track

Train 1 — travels on — 1..* Passenger

Station 1 — destination — 1..* Passenger

Station 1 — departed — 1..* Passenger

Passenger 1 — carries — 0..1 Cargo